

TOWN OF DAVIE TOWN COUNCIL AGENDA REPORT

TO: Mayor and Councilmembers

FROM/PHONE: Larry A. Peters, P.E., Town Engineer / (954) 797-1113

PREPARED BY: Michael Mungal, E.I.T., Engineer II

SUBJECT: Resolution

AFFECTED DISTRICT: District 4

TITLE OF AGENDA ITEM:

A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE APPLICATION FOR A \$113,766 GRANT FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION FOR ROADWAY IMPROVEMENTS ON ORANGE DRIVE; AND AUTHORIZING ACCEPTANCE AND EXECUTION OF THE GRANT, IF AWARDED(With \$71,280 Matching Funds).

REPORT IN BRIEF:

The 2000 Legislature created the County Incentive Grant Program with the aim of improving transportation facilities located on the State Highway System, and for projects that relieve traffic congestion on the State Highway System.

The Town is interested in utilizing the County Incentive Grant Program to make improvements to Orange Drive, which will alleviate traffic on Griffin Road (State Road 818) and Flamingo Road (State Road 823). These improvements were based on a URS study conducted in 2004. Approximately 78% of the total project costs will be originated from state and private funds. The total project cost is \$325,046. The Town contribution will be \$ 71,280.

PREVIOUS ACTIONS: None

CONCURRENCES: N/A

FISCAL IMPACT:

Has request been budgeted? No

If yes, expected cost: N/A

Account Name:

If no, amount needed: \$ 185,046 needs to be budgeted for during FY 2007 (\$ 113,766 to be reimbursed by FDOT, \$ 71,280 in Town of Davie funds.)

What account will funds be appropriated from: N/A

RECOMMENDATION(S):

Motion to approve Resolution

Attachment(s): Grant Application

RESOLUTION _____

A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE APPLICATION FOR A \$113,766 GRANT FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION FOR ROADWAY IMPROVEMENTS ON ORANGE DRIVE; AND AUTHORIZING ACCEPTANCE AND EXECUTION OF THE GRANT, IF AWARDED (WITH \$ 71,280 MATCHING FUNDS).

WHEREAS, the Town of Davie wishes to improve roadway conditions on Orange Drive between Flamingo Road and the entrance of Flamingo Commons to improve safety and traffic mobility; and

WHEREAS, the Town of Davie wishes to seek grant funding from FDOT toward the project costs.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF DAVIE, FLORIDA:

SECTION 1. The Town Council of the Town of Davie hereby authorizes the Town Administrator and/or his designee to submit a grant application to the Florida Department of Transportation, County Incentive Grant Program.

SECTION 2. The Town Council authorizes the Town Administrator and/ or his designee to accept and implement the grant, if awarded, and to execute all necessary grant contracts, documents, and reports.

SECTION 3. The Town Council authorizes the Director of Budget & Finance to recognize grant revenue, if awarded the grant.

SECTION 4. This resolution shall take effect immediately upon its passage and adoption.

PASSED AND ADOPTED THIS _____ DAY OF _____, 2005.

MAYOR/COUNCILMEMBER

ATTEST:

TOWN CLERK

APPROVED THIS _____ DAY OF _____, 2005



2005 County Incentive Grant Program Application

Submitted by

**Town of Davie
6591 Orange Drive
Davie, Florida**

Project Name

**Orange Drive Improvements Between
Flamingo Road and Flamingo Commons**

**Prepared by:
Larry A. Peters, P.E., Town Engineer
Development Services Department
Engineering Division**

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Applicant: Town of Davie

Project Contact Person:

Name: Larry A. Peters, P.E.

Title: Town Engineer

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1. Introduction

The Town of Davie is located in central Broward County and within District IV FDOT. It has over 85,000 residents who live across a lush 34.4 square miles. Davie is ideally located among major thoroughfares such as the Ronald Reagan Turnpike, I-595, I-75, and is within a few minutes travel to the Ft. Lauderdale/Hollywood International Airport and Port Everglades. The town population has reached over 85,000 residents and continues to rise.

Over the past few years, Davie, like other local municipalities in the area, has experienced a significant traffic increase on many of our local and state roads. The Town is actively examining our traffic counts on all our roadways to determine how best to minimize traffic congestion.

The Town is interested in utilizing the County Incentive Grant Program to make improvements to Orange Drive, which will alleviate traffic on Griffin Road (State Road 818) and Flamingo Road (State Road 823).

2. Project Description

The Town has experienced steady growth in residential & commercial developments along Griffin Road and Flamingo Road with additional large projects in development. The proposed project is to improve Orange Drive between Flamingo Road and the entrance of Flamingo Commons, which is approximately 1500 feet west of Flamingo Road. This improved road will be a viable alternate route when traveling westbound during peak hour traffic, and will help divert traffic from Griffin and Flamingo to Orange Drive going west.

2.1 Existing Conditions:

Orange Drive is an undivided two-lane paved road, classified as an arterial according to the adopted Town of Davie Comprehensive Plan (1995). The operational conditions of the proposed roadway area currently are in fair to poor condition. The road surface is uneven, there is a lack of positive drainage resulting in water ponding after rain events, and the surface has multiple cuts from utility improvements. Additionally, there are no shoulders along most of the proposed area. There is little or no lighting. The Town conducted a study in October 2004 which identifies areas for improvement. Due to poor conditions at this location, four accidents with injury and 14 property damages were filed from January 2003 to June 2004. Please refer to exhibit 1 for pictures of existing roadway.

2.2 Proposed Improvements:

The proposed project is to improve the current roadway conditions on Orange Drive from Flamingo Road (SR 823) going west to the entrance of the Flamingo Commons development. Please refer to Figure 1 for the project limits. Proposed roadway improvements are shown in red.

The Town of Davie is proposing the following improvements based on the finding from the URS Impact Study:

- Improvement roadway length is approximately 1450 linear feet or .266 miles.
- Shoulder widening on the north side of Orange Drive
- Widening the north lane of Orange Drive to accommodate a right lane into Flamingo Commons on Orange Drive.
- Install paved shoulders, resurfacing, and regrading of the swale areas to improve drainage.
- Install landscaped median separators along Orange Drive near Flamingo Commons.

These improvements will not only improve safety along Orange Drive, but are designed to improve traffic flow on that road to reduce traffic congestion on Flamingo Road and Griffin Road, which run adjacent to the project site. Traffic counts for the project site can be found in Figure 4.

Figure 1 – Site Location & Proposed Improvement Area



Figure 2 – Proposed Improvements (Diagram 1)

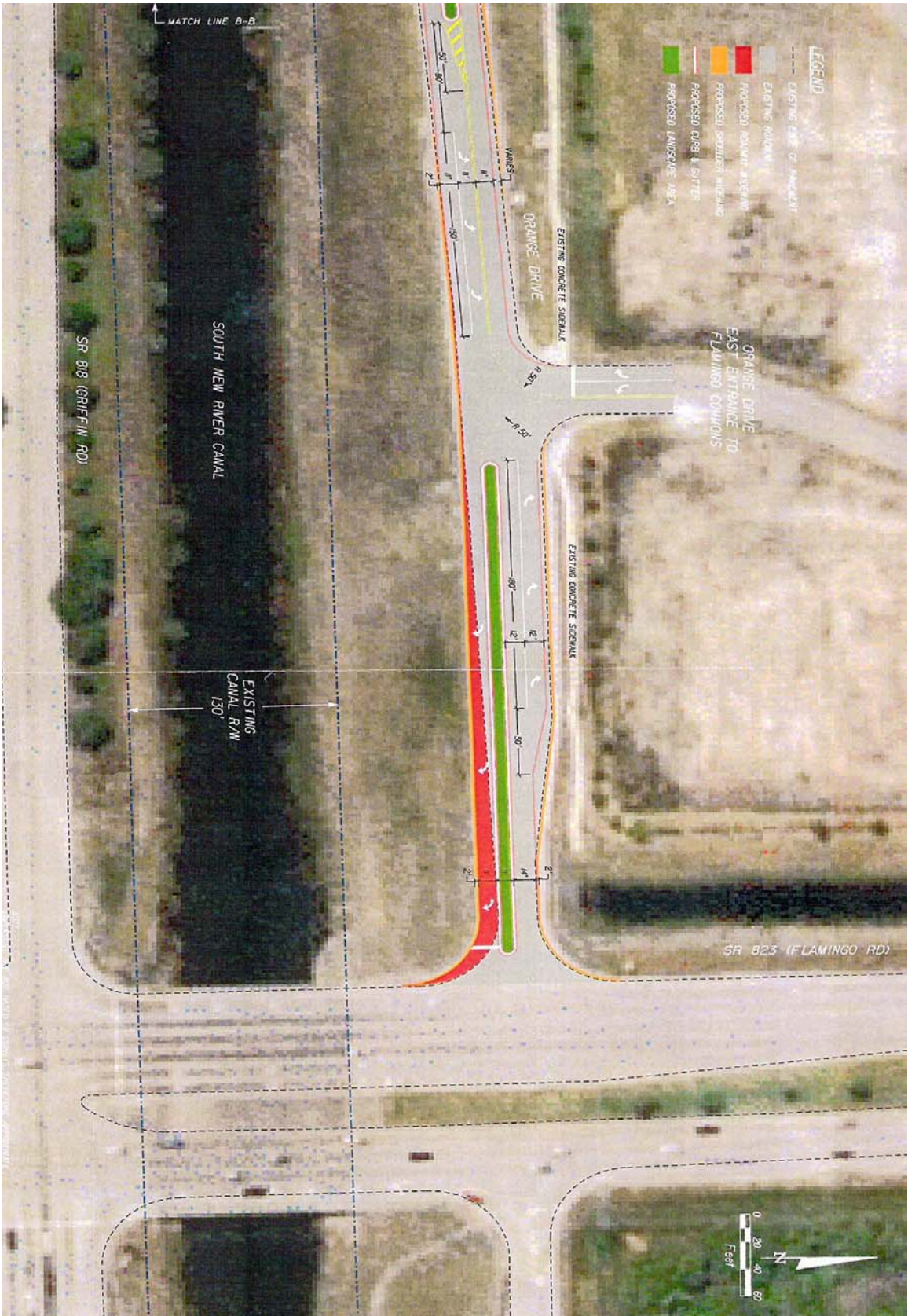
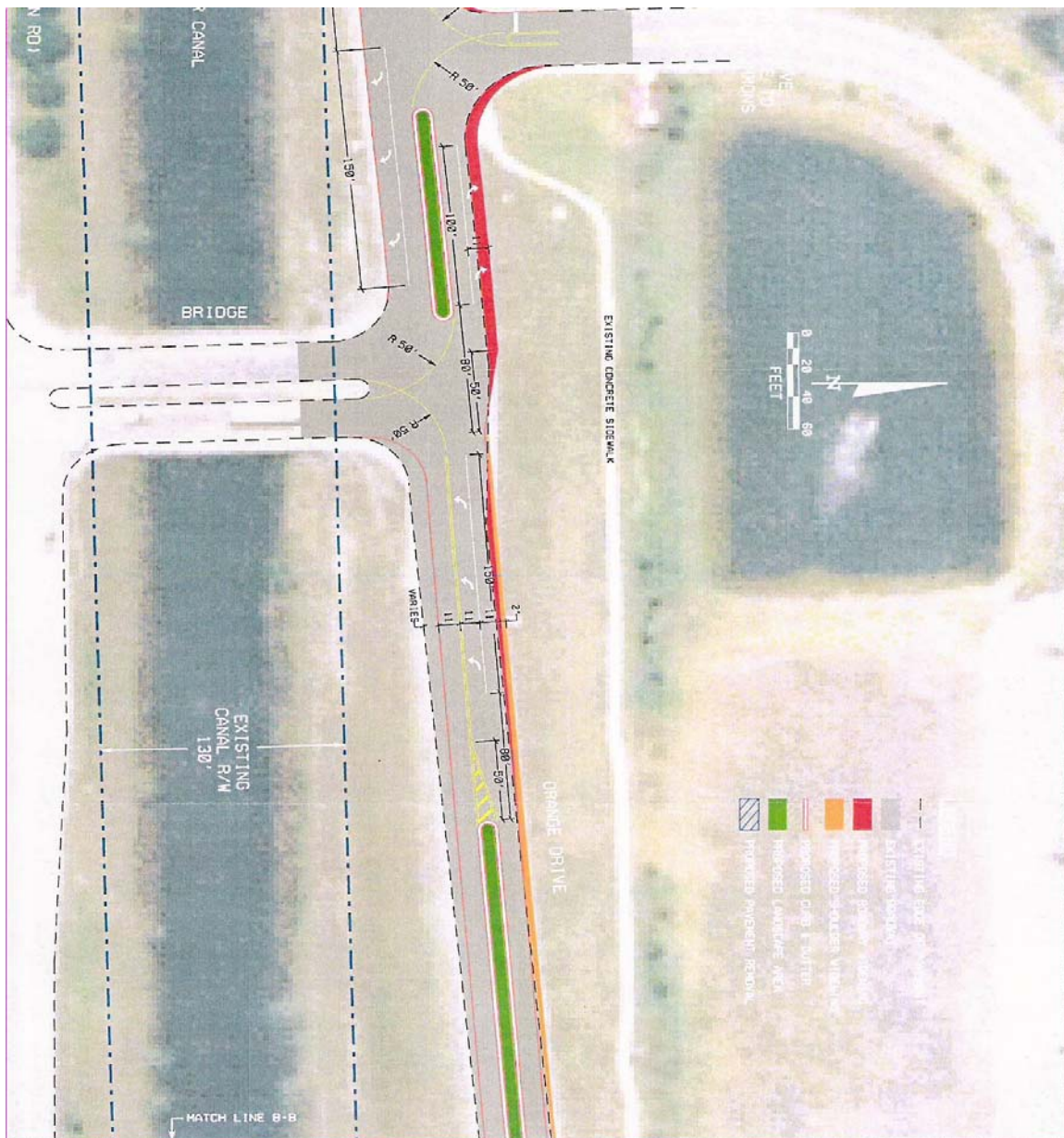


Figure 3 – Proposed Improvements (Diagram 2)



2.3 System Identification

Project name: Orange Drive Improvements Between Flamingo Road and Flamingo Commons Entrance.

Is Project in the FDOT's Five-Year Program: No

Project on the State Highway System: No

Impact on the State Highway System: Yes

Adjacent State Highway System: SR 823 & 818

Local Name: Flamingo & Griffin Road

2.4 Traffic Analysis Results

According to the traffic study done by URS, the Orange Drive improvements will help alleviate some of the current traffic flows on Flamingo and Griffin roads.

Attached in Figure 4 are the existing traffic counts for the proposed areas of improvement. The Town anticipates that traffic flows on Orange Drive will increase once the proposed project is completed. This will help reduce flows on Griffin and Flamingo during peak hour traffic.

2.5 Project Schedule and Cost

The following cost estimate was developed by URS Corporation Southern for the Town of Davie. The cost is based on the most recent unit costs in the region. The 10% contingency funding will cover final design, inspections and other miscellaneous project costs.

Table 1 – Estimated Cost of Project

Item #	Description	Unit	Quantity	Unit Cost	Total
1	Regular Excavation	CY	362	\$ 6.00	\$ 2,172.00
2	Embankment (Compact in Place)	CY	362	\$ 23.00	\$ 8,326.00
3	12" Stabilized Subbase Type "B" (LBR 40)	SY	542	\$ 4.00	\$ 2,168.00
4	8" Baserock (Double Course)	SY	542	\$ 10.00	\$ 5,420.00
5	Milling Existing Pavement (1" Avg. Depth)	SY	7,357	\$ 3.00	\$ 22,071.00
6	Type S-III Asphaltic Concrete (1.0')	TN	408.7	\$ 96.00	\$ 39,235.20
7	Type S-I Asphaltic Concrete (1.5')	TN	27.1	\$ 96.00	\$ 2,601.60
8	Concrete Curb and Gutter (Type F)	LF	1,430	\$ 20.00	\$ 28,600.00
9	Sodding	SY	362	\$ 3.00	\$ 1,086.00
10	Signing & Pavement Marking (\$50/Mile)	MI	0.266	\$ 50,000.00	\$ 13,300.00
11	Landscaping/Irrigation (\$180k/Mile)	MI	0.266	\$ 180,000.00	\$ 47,880.00
12	Drainage (\$200k/Mile)	MI	0.266	\$ 200,000.00	\$ 53,200.00
13	French Drains	LF	140	\$ 80.00	\$ 11,200.00
14	Mobilization (10%)	LS			\$ 23,725.98
15	Maintenance of Traffic (10%)	LS			\$ 23,725.98
16	Clearing & Grubbing (7%)	LS			\$ 16,608.19
17	Contingency (10%)	LS			\$ 23,725.98
				Total	\$ 325,045.93

2.6 Sources of Financing Project

Davie is working closely with the developer of Flamingo Commons to pay for a portion of the roadway improvements leading into their development. The developer has promised to contribute \$ 140,000.00 to the improvement of the existing road. A summary of how the proposed project will be financed.

Estimated Contributions:

Developer: \$ 140,000

State Grant: \$ 113,766 (35% of total costs)

Town: \$ 71,280

Total Cost: \$ 325,046 (From Estimate above)

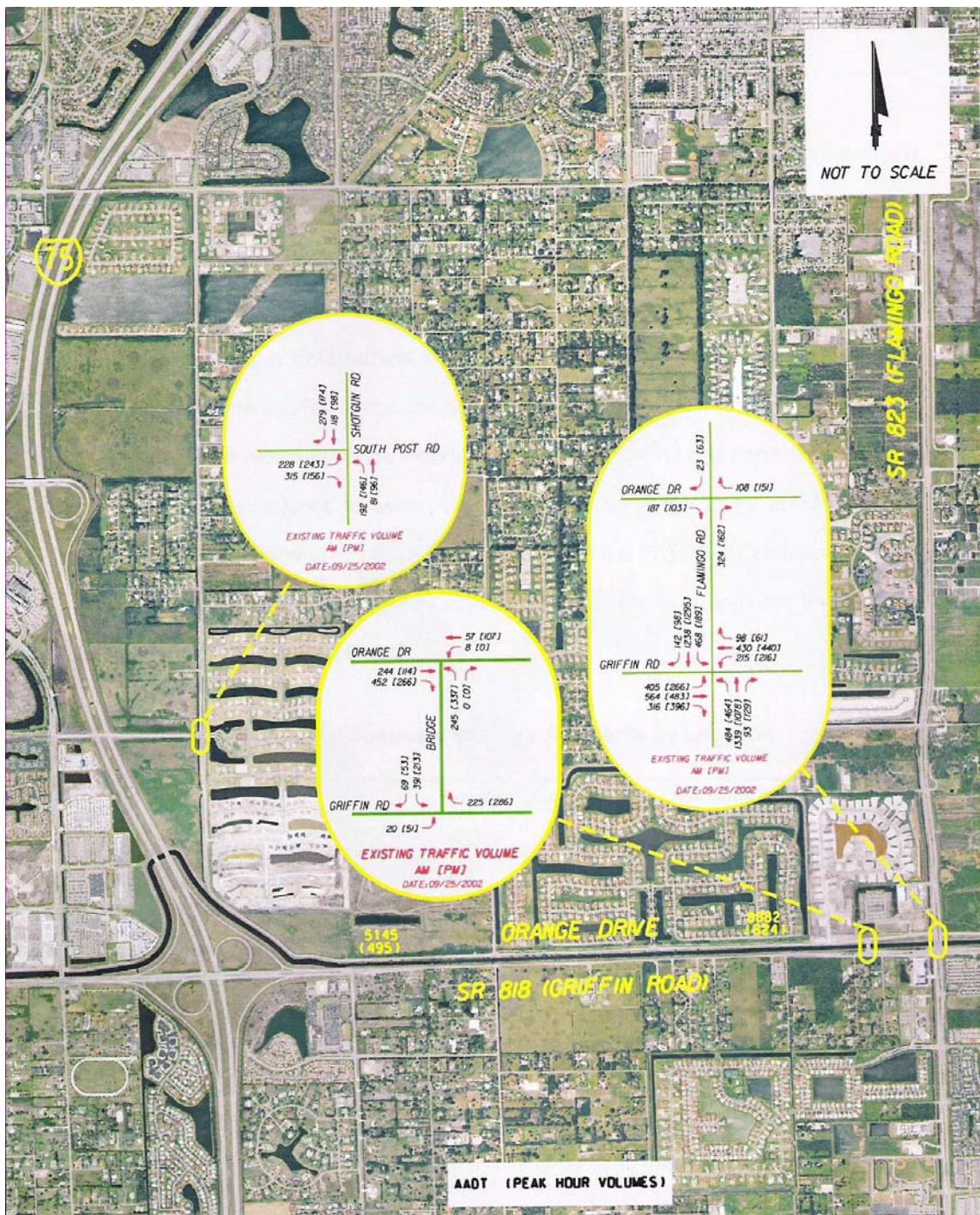
2.7 Certification Letter

A certification letter from the chief financial officer of Town of Davie indicates that sufficient matching funds are available. See exhibit 2 for copy of letter.

2.8 Project Proposed Schedule

Funding assistance from the County Incentive Grant program will enable the Town of Davie to implement this project at a much earlier date than is otherwise possible. The Town of Davie would like to start the implementation phase of this project in early 2006. Once the Town receives notification of grant approval, a final design will be completed. The Town has already completed a traffic and environmental impact study of the site. With grant assistance, Davie anticipates that construction could begin by Fall 2006.

Figure 4 – Current Traffic Counts



3. Statement of Benefits

The proposed project area is characterized by conditions, such as poor drainage and pavement condition, which warrant roadway improvement to increase safety and to improve mobility. After the project is completed Orange Drive will operate at a Level of Service (LOS) D.

This project will help alleviate traffic flows on both Griffin and Flamingo roads during peak hour traffic. The projected increase in traffic volumes on these roadways without corresponding improvements will decrease the safety of the roadway in terms of condition and operation. The proposed new roadway improvements along Orange Drive will improve the flow of traffic onto Orange Drive from both Flamingo and Griffin roads. The proposed improvements will create a safer driving environment by calming traffic, reducing vehicle speed, providing safer turning opportunities, as well as improving the overall operation of the roadway with positive drainage, and an improved roadway surface. This grant will enable Town of Davie to proceed with the project once approved.

Exhibit 1 – Site Pictures



Exhibit 2 – Letter of Certification

The Town will provide letter of certification upon request.

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